

Amendment and Response

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Serial No.: 09/529,691

Confirmation No.: 3203

Filed: August 29, 2000

For: INHIBITION OF TUMOR CELL ADHESION TYPE IV COLLAGEN

- SWB
F4
6. (Amended) The polypeptide of claim 4 which inhibits binding of tumor cells to type IV collagen.
7. (Amended) The polypeptide of claim 4 which inhibits tumor cell invasion into basement membranes.
8. (Amended) The polypeptide of claim 4 which inhibits tumor cell metastasis.
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- Ab
E5
14. (Amended) A peptide-conjugate comprising a polypeptide having the sequence gly-val-lys-gly-asp-lys-gly-asn-pro-gly-trp-pro-gly-ala-pro, which is in the all D-form, wherein the polypeptide is bonded to a non-peptide moiety.
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15. (Amended) The peptide-conjugate of claim 14 further comprising a cytotoxic agent covalently bonded thereto.
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- D²
16. (Amended) A method of inhibiting tumor cell binding to type IV collagen comprising contacting the tumor cell with a polypeptide of claim 4 or a peptide-conjugate of claim 14.
- SWB
SFL
17. (Amended) A method of inhibiting tumor cell invasion of a basement membrane comprising modulating the tumor cell with a polypeptide of claim 4 or a peptide-conjugate of claim 14.
18. (Amended) A method of inhibiting tumor cell metastasis comprising modulating the tumor cell with a polypeptide of claim 4 or a peptide-conjugate of claim 14.
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- D³ Ab
E6
22. (New) A polypeptide having the sequence pro-ala-gly-pro-trp-gly-pro-asn-gly-lys-asp-gly-lys-val-gly, which is in the all D-form.
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23. (New) The polypeptide of claim 22 further comprising a cytotoxic agent covalently bonded thereto.

24. (New) The polypeptide of claim 22 which inhibits binding of tumor cells to type IV collagen.

25. (New) The polypeptide of claim 22 which inhibits tumor cell invasion into basement membranes.

26. (New) The polypeptide of claim 22 which inhibits tumor cell metastasis.

27. (New) A peptide-conjugate comprising a polypeptide pro-ala-gly-pro-trp-gly-pro-asn-gly-lys-asp-gly-lys-val-gly, which is in the all D-form, wherein the polypeptide is bonded to a non-peptide moiety.

28. (New) The peptide-conjugate of claim 27 further comprising a cytotoxic agent covalently bonded thereto.

29. (New) A method of inhibiting tumor cell binding to type IV collagen comprising contacting the tumor cell with a polypeptide of claim 22 or a peptide-conjugate of claim 27.

30. (New) A method of inhibiting tumor cell invasion of a basement membrane comprising modulating the tumor cell with a polypeptide of claim 22 or a peptide-conjugate of claim 27.

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31. (New) A method of inhibiting tumor cell metastasis comprising modulating the tumor cell with a polypeptide of claim 22 ~~or~~ a peptide-conjugate of claim 27.
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- Sub 32. (New) A peptide-conjugate comprising a polypeptide having the sequence gly-val-lys-gly-asn-pro-gly-trp-pro-gly-ala-pro, which is in the all L-form, wherein the polypeptide is bonded to a non-peptide moiety selected from the group consisting of an organic group having an alkyl chain, a phospholipid, a polyalkylene glycol, a DNA intercalator, a metal chelator, an alkylating agent, and a membrane-disrupting agent.
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